

DOCKET NO.: MSFT-2852/306819.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Ramachandran Venkatesh, et al.

Confirmation No.: 8386

Application No.: 10/692,225

Group Art Unit: 2162

Filing Date: October 23, 2003

Examiner: Corrieus, Jean M.

For: SYSTEM AND METHOD FOR OBJECT PERSISTENCE IN A DATABASE  
STORE

DATE OF DEPOSIT: 1-14-2005

01/23/2005 FFXAIR2 00000091 10692225

01 FC:1806

180.00 00

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL  
SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID,  
ON THE DATE INDICATED ABOVE AND IS  
ADDRESSED TO THE UNITED STATES PATENT AND  
TRADEMARK OFFICE P.O. BOX 1450, ALEXANDRIA,  
VA 22313-1450.

TYPED NAME: Steven B. Samuels  
REGISTRATION NO.: 37,711

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☐ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☒ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached;  
or

☒ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☒ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- ☐ Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).


EXCEPT THAT:

- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☐ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
- ☐ Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. \_\_\_\_\_, filed \_\_\_\_\_.

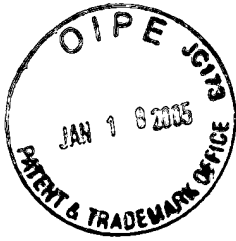
Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

There are no listed references which are not in the English language.

Date: 1-14-2005

  
Steven B. Samuels  
Registration No. 37,711

WOODCOCK WASHBURN LLP  
One Liberty Place - 46th Floor  
Philadelphia, PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439

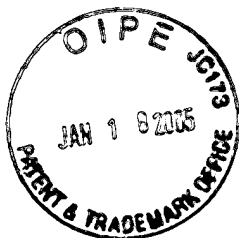


<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>MSFT-2852/306819.01</b>	Application No. <b>10/692,225</b>
	Applicant <b>Ramachandran Venkatesh, et al.</b>	
	Filing Date <b>October 23, 2003</b>	Group <b>Not Yet Assigned</b>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

1	Andrews, T. et al., "Combining Language and Database Advances in an Object-Oriented Development Environment", <i>OOPSLA Proceedings</i> , <b>October 4-8, 1987</b> , 430-440
2	Bhattacharya, S. et al., "Coordinating Backup/Recovery and Data Consistency Between Database and File Systems", <i>ACM SIGMOD</i> , <b>June 4-6, 2002</b> , 500-511
3	Biliris, A., "The Performance of Three Database Storage Structures for Managing Large Objects", <i>ACM SIGMOD</i> , <b>1992</b> , 276-285
4	Buneman, P. et al., "Inheritance and Persistence in Database Programming Languages", <i>ACM</i> , <b>1986</b> , 4-15
5	Hsiao, H.I. et al., "DLFM: A Transactional Resource Manager", <i>MOD</i> , <b>2000</b> , 518-528
6	Khan, L. et al., "A Performance Evaluation of Storing XML Data in Relational Database Management Systems", <i>WIDM</i> , <b>2001</b> , 31-38
7	Leontiev, Y. et al., "On Type Systems for Object-Oriented Database Programming Languages", <i>ACM Computing Surveys</i> , <b>December 2002</b> , 34(4), 409-449
8	Melton, J. et al., "SQL and Management of External Data", <i>SIGMOD Record</i> , <b>March 2001</b> , 30(1), 70-77
9	Papiani, M. et al., "A Distributed Scientific Data Archive Using the Web, XML and SQL/MED", <i>SIGMOD Record</i> , <b>September 1999</b> , 28(3), 56-62
10	Seshadri, P., "Enhanced Abstract Data Types in Object-Relational Databases", <i>The VLDB Journal</i> , <b>1998</b> , 7, 130-140

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------



Sheet 2 of 2

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>MSFT-2852/306819.01</b>	Application No. <b>10/692,225</b>
	Applicant <b>Ramachandran Venkatesh, et al.</b>	
	Filing Date <b>October 23, 2003</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
	<b>11</b>	Varlamis, I. et al., "Bridging XML-Schema and Relational Databases. A System for Generating and Manipulating Relational Databases Using Valid XML Documents", <i>DocEng 'OL</i> , <b>November 9-10, 2001</b> , 105-114
	<b>12</b>	Yoshikawa, M. et al., "XRel: A Path-Based Approach to Storage and Retrieval of XML Documents Using Relational Databases", <i>ACM Transactions on Internet Technology</i> , <b>August 2001</b> , 1(1), 110-141
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>